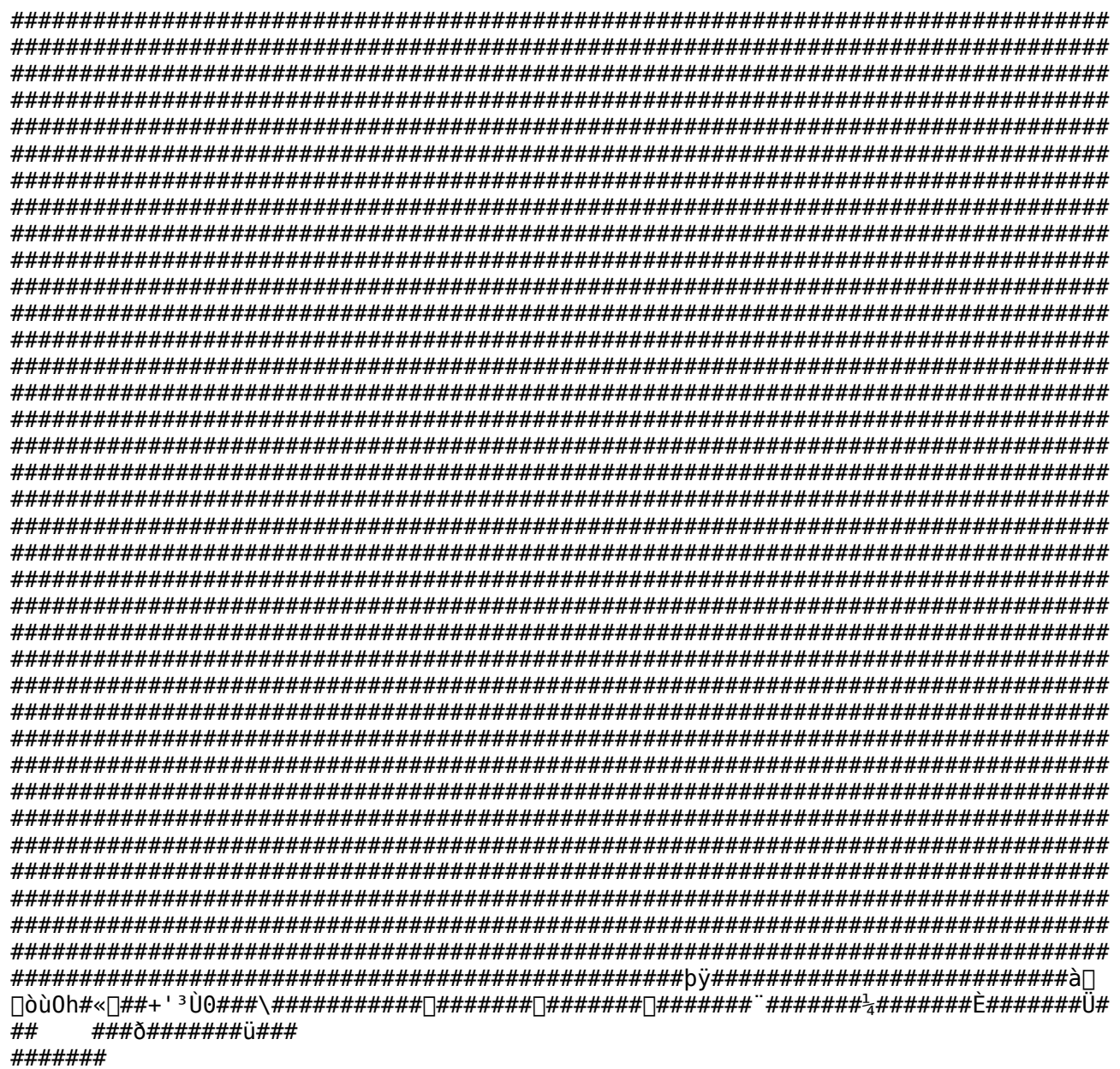

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#Stage 1 Cost######     #####Cum Stage 1~#
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Initiative############Bird-Johnson Co.############NAVSEA PMS 377¾#
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#######À|Õ@############MFCDU Replacement############ANZUS, Inc.############PMA-
231 ¾#
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#4000hr M04############Rolls-Royce plc##########     #U.S. Navy¾#
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##########@##########~#
########□Õ@##$#########Network Centric METOC Device##%#########Planning Systems
Incorporated## #########PMW-185, COMSPAWARSYSCOM¾#
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######## l@###### ###¢E¶óÝÅ@~#
##########@##########~#
#######□}Õ@##O#######G#Acoustic Emission for Periodic Inspection of Composite
Pressure Vessels##&#########Physical Acoustics Corporation##8#######0#Naval
Surface Warfare Center, Carderock Division¾#
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########~Õ@##*#######"#COSSI Joint Engine Test Initiative############USAF,
LD##########      #USAF& USN¾#
#####################Ï÷SãåIi@###### ###Ï÷SãåIi@##Nntý##D#À#~#
##########@##########~#
#######@}Õ@##´#######¬#Implement a Modern Internet based Information
Architecture to Reduce The Cost and Increase the Effectiveness of Automatic Test
System and Automatic Test Program Maintenance############AIL Systems,
Inc.##□#######~#US Navy Aviation Support Equipment (SE) Program Office (PMA-260)
and the USAF San Antonio/Warner Robins Air Logistics Centers ¾#
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#Stage 1 Cost########$###Cum Stage 1½#######+###ð?'#ÀfÙ@####)#######!#P-3 Electronic Propeller Control ############Hamilton Sundstrand############NAVAIR PMA-290½#######%#vÍ%#%#vÍ%###½#######+####@'#@hÙ@#### ######### EA-6B Radar Replacement##########

#AlliedSignal############NAVAIR PMA-234½#######%#Ê#¸#
%#>ñÝ###½#######+####@'#□hÙ@####/#######'#P-3 Maintainer's Electronic Perf.
Supp.############Georgia Tech Research ############NAVAIR PMA 290 ½#######%#`ã6A
%#¾~9###½#######+####@'##dÙ@####$#########First Mate Ship Hull
Cleaner############Remote Tools, Inc.############NAVSEA 04X2½#######%#□1#A
%#~#E###½#######+####@'#□fÙ@##############PinPoint Test
System############DiagnoSYS Systems Inc.##########

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#NAVSEA 04M34½#######%#Ìp#A%#J□d###½#######+####@'##gÙ@####+#########CASS
Upgrade to Commercial Software########1###Boeing############NAVAIR PMA-
260½#######%#n£¨#%#¶+###½#######+####@(##hÙ@####3#######+#Unattended Paint
Removal/Application System##"#########Spatial Integrated
Systems############NAVSEA PMS 312½#######%#6a¸#%#*#□###½###      ###,### @-
#□eÙ@###### #######Air Start Kit - 200####     #######Hamilton Sundstrand####
      #######NAVAIR PMA-260½###    ###*#Já□#%#2nZ###½###
###(###"@(##fÙ@######
#######AE for Pressure Vessels####
#######Phy. Acoustics Corp####
#######NAVSEA 03ME½###
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###/#/#/#/#/#0##############Ranking###########Track ############Proposal Title##########Lead Proposer###########Military Customer#########

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22007######22008######22009######22015######22018######22019######22021######220
24######22025######22026######22027##%#$##DCOSSI99#[22000.xls]Baseline
CostsY#####Z#########T45 Display Processor#######DCOSSI99#22000.xls##
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CostsY#####Z#
#######ESAD#######DCOSSI99#22001.xls## ########Title##:###################
%#$##DCOSSI99#[22002.xls]Baseline CostsY#####Z#C######=Electronic Safe Arming
Device (ESAD) for the Standard Missile#######DCOSSI99#22002.xls##
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CostsY#####Z#########MFCDU Replacement#######DCOSSI99#22003.xls##
########Title##:###################%#$##DCOSSI99#[22006.xls]Baseline
CostsY#####Z#M######GAcoustic Emission for Periodic Inspection of Composite
Pressure Vessels#######DCOSSI99#22006.xls## ########Title##:###################
%#$##DCOSSI99#[22007.xls]Baseline CostsY#####Z#########Microwave Tank
Gauging#######DCOSSI99#22007.xls## ########Title##:###################
%#$##DCOSSI99#[22005.xls]Baseline CostsY#####Z#²######¬Implement a Modern
Internet based Information Architecture to Reduce The Cost and Increase the
Effectiveness of Automatic Test System and Automatic Test Program
Maintenance#######DCOSSI99#22005.xls## ########Title##:###################
%#$##DCOSSI99#[22009.xls]Baseline CostsY#####Z#*######$Super Special Money
Saving Project 2#######DCOSSI99#22009.xls## ########Title##: ########### ######
%#$##DCOSSI99#[22015.xls]Baseline CostsY#####Z#"#######ACTIVE BORING BAR SYSTEM
KIT#######DCOSSI99#22015.xls## ########Title##:"###########"######
%#$##DCOSSI99#[22008.xls]Baseline CostsY#####Z#(######"COSSI Joint Engine Test
Initiative#######DCOSSI99#22008.xls## ########Title##:$###########$######
%#$##DCOSSI99#[22019.xls]Baseline CostsY#####Z########
4000hr M04#######DCOSSI99#22019.xls## ########Title##:&###########&######
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Engine Maintenance Savings Initiative#######DCOSSI99#22018.xls##
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CostsY#####Z#"#######Network Centric METOC Device#######DCOSSI99#22024.xls##
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CostsY#####Z#7######1Integrated Supply/Maintance Database
Optimization#######DCOSSI99#22025.xls## ########Title##:,###########,######
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Repository System for JEDMICS#######DCOSSI99#22027.xls##
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CostsY#####Z#*######$Super Special Money Saving Project
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#######□#□#ÿÿ#####ÿ##Y####################□T□###®#¬#Implement a Modern Internet
based Information Architecture to Reduce The Cost and Increase the Effectiveness
of Automatic Test System and Automatic Test Program Maintenance~#
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Processor#######DCOSSI99#22000.xls## ########Title##:###################
%#$##DCOSSI99#[22001.xls]Baseline CostsY#####Z#
#######ESAD#######DCOSSI99#22001.xls## ########Title##:###################
%#$##DCOSSI99#[22002.xls]Baseline CostsY#####Z#C######=Electronic Safe Arming
Device (ESAD) for the Standard Missile#######DCOSSI99#22002.xls##
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CostsY#####Z#########MFCDU Replacement#######DCOSSI99#22003.xls##
########Title##:###################%#$##DCOSSI99#[22006.xls]Baseline
CostsY#####Z#M######GAcoustic Emission for Periodic Inspection of Composite
Pressure Vessels#######DCOSSI99#22006.xls## ########Title##:     ###########
      ######%#$##DCOSSI99#[22007.xls]Baseline CostsY#####Z#########Microwave
Tank Gauging#######DCOSSI99#22007.xls## ########Title##:###################
%#$##DCOSSI99#[22005.xls]Baseline CostsY#####Z#²######¬Implement a Modern
Internet based Information Architecture to Reduce The Cost and Increase the
Effectiveness of Automatic Test System and Automatic Test Program
Maintenance#######DCOSSI99#22005.xls## ########Title##:#################
%#$##DCOSSI99#[22009.xls]Baseline CostsY#####Z#*######$Super Special Money
Saving Project 2#######DCOSSI99#22009.xls## ########Title##:###################
%#$##DCOSSI99#[22015.xls]Baseline CostsY#####Z#"#######ACTIVE BORING BAR SYSTEM
KIT#######DCOSSI99#22015.xls## ########Title##:###################
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Initiative#######DCOSSI99#22008.xls## ########Title##:###################
%#$##DCOSSI99#[22019.xls]Baseline CostsY#####Z########
4000hr M04#######DCOSSI99#22019.xls## ########Title##:###################
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Engine Maintenance Savings Initiative#######DCOSSI99#22018.xls##
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CostsY#####Z#"#######Network Centric METOC Device#######DCOSSI99#22024.xls##
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CostsY#####Z#7######1Integrated Supply/Maintance Database
Optimization#######DCOSSI99#22025.xls## ########Title##:###################
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Repository System for JEDMICS#######DCOSSI99#22027.xls##
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CostsY#####Z#*######$Super Special Money Saving Project
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#Fullwood######   #####Gordon######
###   #Gunderson############Marcus######
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#########Price############Ratliff############Rideout############Stranges########
####Williams############Average##
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Fullwood######    #####Gordon######
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COSSI's mission is to develop and test a method for reducing DoD Operations and Support (O&S) costs by routinely inserting commercial items into fielded military systems that have current operational capability.

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6#ÿÿ####ÿÿ#####ÿ##ÿÿd#########d#########è###  Take advantage of commercial
technological     advances  Cost share Non Recurring Engineering (NRE),    test,
and qualification  Encourage non-traditional suppliers to     participate  Seek
cost saving ideas from industry
```

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¸##############ÿ□#ÿÿd#########d#A#######
###Background: Congressional program to reduce O&S costs in legacy systems; 2-year R&D funds. Strategy: Vendor/PM team proposes to adopt commercial capability for DoN use. Vendor shares costs in Stage I □proof of concept□ phase. Given successful test, Stage II buys and installs prescribed number of kits.Stage I uses Other Transaction Agreements that permit Stage II non-competitive follow-on resource sponsor buy. Management: ASN(RD&A) assigned N4 program and Stage I resource sponsor; SEA-04 is claimant.

##########################ÿ□#ÿÿd#########d#########2##□## ú{ÿö#□
ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########/###Product Support Reengineering draft Report to Congress action plan calls for boosting investments associated with COSSI and Technology Refreshment kinds of programs. Specifically, this Report states that the services will invest $100M per year towards □.. systems out of production and in sustainment.□¬

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#@###9###0#0###@###¦#########¦######1##□##áöxúh
      ë#ÿÿ####ÿÿ#####ÿ##ÿÿd#########d#########á###  Increased MTBF  Fewer
Circuit Card Assemblies  More reliable components  Eliminate/reduce parts
obsolescence  Reduce spare parts costs  Reduce software maintenance costs
Reduce retest and unnecessary replacement
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      ##ÿÿ####ÿÿ#####ÿ##ÿÿd#########d#########å### Equivalent system
performance (pass/fail)   O&S cost savings (30%)   Military customer
commitment (25%) Technical and Management approach (15%) Commercial technology
leverage (15%) Non-Federal cost share (15%)   #

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###########################################ÿ□#ÿÿd#########d#########3##□##<ö□ü
¢ûù#ÿÿ####ÿÿ#####ÿ##ÿÿd#########d#########□###Non-recurring engineering (NRE)
adapts commercial item to military useQualification Test enables military
customer to make Stage II decision#
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#ÿÿd#########d#########V###Commercial Item □Core□   available in commercial
market   to non-government customer
```

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ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########3### A □core□ commercial project or process is tailored to suit a military application. COSSI candidates projects can be systems, subsystems, or processes. Stage I is a brief engineering period that adopts the core commercial capability into something useable in the Fleet. Stage I is all COSSI Program and vendor matching money. Stage I ends with testing and qualification of ready-to-install kits. Stage II begins when the PM an Sponsor non-competitively buys and installs the vendor□s COSSI-developed kits. Stage II is where the Council can play a role. The COSSI Program can develop validated, technologically-proven, kits. And a COSSI project will not be started without a strong, written endorsement that the project is needed in the Fleet. But COSSI cannot oblige PMs and Sponsors to buy these kits. t

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»#ÿÿ####ÿÿ#####ÿ##ÿÿd#########d############# NAVSEA Acquisition Logistics Division (04L2) is   prepared to: Assist in Military Customer/Contractor Teaming Provide Assistance to develop   and Mature   your COSSI recommendations and proposals Business Case Analysis preparation Return on Investment Analysis

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Points of Contact Lawanda Morgan NAVSEA (703) 602-9177 x110 Tom McDonald NAVSEA (703) 602-9180 x112 Marty Bare NAVAIR (301) 757-3083 John Graham SPAWAR (619) 524-7261 Amy Rideout MARCORSYSCOM (703) 784-5491 Daniel Hoffman NAVSEALOGCEN (717) 605-4526(Jim Roach - ASC Fleet Support NAVSEA Programs) (703) 418-4513 Schedule of Activities Publish Solicitation 7 Feb 2000 Bidders Conference 14 Mar 2000 Solicitation Due 17 May 2000 Announce COSSI Award TBD

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Ship Oriented   Shipboard Compressed Air Systems Main Propulsion Gas Turbine Engines Salt Water Sprinkler and Washdown Systems Air Conditioning and Ventilation Systems Distilling Plants High Durability/Wear Resistant Coatings Bilge Preservatives Nonskid Deck Coverings Sealed BearingsAviation Oriented Aircraft Maintenance Inspection Reduction Aircraft Corrosion Prevention Aircraft Corrosion Detection Technology

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Many DoD systems will be maintained long beyond the useful life initially anticipated Extending service life of systems causes the cost of ownership, to include maintenance costs and Operations and Support (O&S) costs to increase In many cases, commercial electronics surpass military unique items in terms of price, performance, and reliability COSSI leverages commercial firm technology developments to reduce O&S costs of legacy systems by increasing component reliability and operating efficiencies and by reducing spare parts and maintenance costs

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COSSI is a two staged process Stage I typically lasts two years The government and the contractor share costs of developing and testing the prototype during Stage I NRE is the one-time engineering required to adapt commercial items for use in a military system NRE may also be required on the fielded system so it can accept the prototype Qualification Testing may involve use of a military facility or laboratory and must demonstrate no system performance degradation while showing it will generate expected O&S savings.#

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!#ÿÿ####ÿÿ#####ÿ##ÿÿd#########d#########®###In Stage I, the contractor:
Develops a prototype by performing any NRE required to adapt commercial items for use in a fielded military system Performs the testing needed to ensure the prototype can produce the expected O&S cost savings and will not degrade the performance of the fielded systems Develops and provides appropriate data, including Form, Fit, Function and Interface (F3I) specification

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m#ÿÿ####ÿÿ#####ÿ##ÿÿd#########d#########g### Stage I testing enables the military customer to decide whether or not to proceed to Stage II If Stage I is successful, the military customer can purchase reasonable production quantities of the prototype in Stage II using sole source procedures at a fair/reasonable target price agreed upon at Stage I start without requiring proposer□s detailed cost or pricing data Military customer reserves the right not to purchase if system level performance unacceptable unacceptable price/exceeds proposed target price O&S savings inadequate/less than anticipated unavailability of funds #

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If the contractor has a concept for reducing O&S cost on a specific fielded system that fits the COSSI program, he can contact a military customer to discuss it. He may also contact the prime contractor for that system. Both parties will have a great deal of the technical and cost information needed to determine O&S cost savings. Contractor Proposal Structure will consist of: Executive Summary - maximum 5 pages Main proposal - maximum 35 pages   Military Customer statement of support Stage I cost proposal O&S savings analysis supplement   minimum Ranking Index (RI) of 2:1 required (ratio of   total net present value of marginal savings divided by   total net present value of marginal investment) Proposed Stage I agreement (optional)#

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##ÿÿ####ÿÿ#####ÿ##ÿÿd#########d#############The Military Customer is defined as Program Executive Offices and Program Managers with the authority to modify the fielded system and can procure and install the commercial component kit on it. The Support Letter must address: Utility of the component, its mission importance, number of kits   required No degradation in system performance Technical soundness of the plan Adequacy of test plan and willingness to support necessary testing Resources to support Stage I development Validate likelihood of achieving O&S savings Adequacy of the sustainment concept Clear statement on availability of funds for Stage II procurement Requires resource sponsor endorsement   Government furnished equipment/facilities, and assistance required Other comments/summaryÖ

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